

EAST Search History**EAST Search History (Prior Art)**

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|-------|---|-----------------|------------------|---------|------------------|
| S1 | 52534 | hydrogel | US-PGPUB; USPAT | ADJ | ON | 2009/07/11 18:46 |
| S2 | 134 | anionic hydrogel | US-PGPUB; USPAT | ADJ | ON | 2009/07/11 18:46 |
| S3 | 43 | anionic hydrogel and (matrix or reticulat\$ or network or crosslink\$ or cross-link\$) and irradiat\$ | US-PGPUB; USPAT | ADJ | ON | 2009/07/11 18:49 |
| S4 | 43 | anionic hydrogel and (matrix or reticulat\$ or network or crosslink\$ or cross-link\$) and (irradiat\$ or photoreticul\$) | US-PGPUB; USPAT | ADJ | ON | 2009/07/11 18:49 |
| S5 | 4 | anionic hydrogel and (matrix or reticulat\$ or network or crosslink\$ or cross-link\$) and (irradiat\$ or photoreticul\$) and (glycidyl methacrylate or methacrylic anhydride) | US-PGPUB; USPAT | ADJ | ON | 2009/07/11 18:50 |
| S6 | 1 | anionic hydrogel and (matrix or reticulat\$ or network or crosslink\$ or cross-link\$) and (irradiat\$ or photoreticul\$) and (glycidyl methacrylate or methacrylic anhydride) and (nano or microparticle or microsphere or microbead or film or cylinder or sponge) | US-PGPUB; USPAT | ADJ | ON | 2009/07/11 18:51 |
| S7 | 0 | anionic hydrogel and (matrix or reticulat\$ or network or crosslink\$ or cross-link\$) and (irradiat\$ or photoreticul\$) and (glycidyl methacrylate or methacrylic anhydride) and active agent | US-PGPUB; USPAT | ADJ | ON | 2009/07/11 18:51 |
| S8 | 4 | anionic hydrogel and (matrix or reticulat\$ or network or crosslink\$ or cross-link\$) and (irradiat\$ or photoreticul\$) and (glycidyl methacrylate or methacrylic anhydride) and (active agent or drug or pharmaceutical) | US-PGPUB; USPAT | ADJ | ON | 2009/07/11 18:52 |
| S9 | 137 | hydrogel and (anionic or acidic) and (matrix or reticulat\$ or network or crosslink\$ or cross-link\$) and (irradiat\$ or photoreticul\$) and (glycidyl methacrylate or methacrylic anhydride) and (active agent or drug or pharmaceutical) | US-PGPUB; USPAT | ADJ | ON | 2009/07/11 18:57 |
| S10 | 52 | hydrogel and (anionic or acidic) and (matrix or reticulat\$ or network or crosslink\$ or cross-link\$) and (irradiat\$ or photoreticul\$) and (glycidyl methacrylate or methacrylic anhydride) and (active agent or drug or pharmaceutical) and (microparticle or microsphere or microbead) | US-PGPUB; USPAT | ADJ | ON | 2009/07/11 18:59 |
| S11 | 41 | hydrogel and (anionic or acidic) and (matrix or reticulat\$ or network or crosslink\$ or cross-link\$) and (irradiat\$ or photoreticul\$) and (glycidyl methacrylate or methacrylic | US-PGPUB; USPAT | ADJ | ON | 2009/07/11 18:59 |

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| | | anhydride) and (active agent or drug or pharmaceutical) and (microparticle or microsphere or microbead) and (nano or film or sponge) | | | | |
| S12 | 126 | hydrogel and (anionic or acidic) and (matrix or reticulat\$ or network or crosslink\$ or cross-link\$) and (irradiat\$ or photoreticul\$ or photo) and (glycidyl methacrylate or methacrylic anhydride) and (active agent or drug or pharmaceutical) and (microparticle or microsphere or microbead or particle) and (ph-dependent or ph) | US- PGPUB; USPAT | ADJ | ON | 2009/07/11 19:05 |
| S13 | 8 | hydrogel and (anionic or acidic) and (matrix or reticulat\$ or network or crosslink\$ or cross-link\$) and (irradiat\$ or photoreticul\$ or photo) and (glycidyl methacrylate or methacrylic anhydride) and (active agent or drug or pharmaceutical) and ph-dependent | US- PGPUB; USPAT | ADJ | ON | 2009/07/11 19:14 |
| S14 | 64 | hydrogel and (anionic or acidic) and (matrix or reticulat\$ or network or crosslink\$ or cross-link\$) and (glycidyl methacrylate or methacrylic anhydride) and (active agent or drug or pharmaceutical) and ph-dependent | US- PGPUB; USPAT | ADJ | ON | 2009/07/11 19:20 |
| S15 | 40 | hydrogel and (anionic or acidic) and (matrix or reticulat\$ or network or crosslink\$ or cross-link\$) and (glycidyl methacrylate or methacrylic anhydride) and (active agent or drug or pharmaceutical) and ph-dependent and (uv or ultraviolet or gamma) | US- PGPUB; USPAT | ADJ | ON | 2009/07/11 19:23 |
| S16 | 172 | hydrogel and (anionic or acidic) and l-carnitine | US- PGPUB; USPAT | ADJ | ON | 2009/07/11 19:25 |
| S17 | 208 | hydrogel and l-carnitine | US- PGPUB; USPAT | ADJ | ON | 2009/07/11 19:29 |
| S18 | 165 | hydrogel and l-carnitine and (methacrylic or methacrylate) | US- PGPUB; USPAT | ADJ | ON | 2009/07/11 19:30 |
| S19 | 35 | hydrogel and l-carnitine and (methacrylic or methacrylate) and (acrylic or acrylate) | US- PGPUB; USPAT | ADJ | ON | 2009/07/11 19:30 |
| S20 | 8636 | hydrogel and (methacrylic or methacrylate) and (acrylic or acrylate) and (irradiat\$ or ultraviolet or uv or gamma) | US- PGPUB; USPAT | ADJ | ON | 2009/07/11 19:31 |
| S21 | 271 | hydrogel and (methacrylic or methacrylate) and (acrylic or acrylate) and (irradiat\$ or ultraviolet or uv or gamma) and carnitine | US- PGPUB; USPAT | ADJ | ON | 2009/07/11 19:32 |
| S22 | 264 | hydrogel and (methacrylic or methacrylate) and (acrylic or acrylate) and (irradiat\$ or ultraviolet or uv or gamma) and carnitine and (drug or active agent or pharmaceutical) | US- PGPUB; USPAT | ADJ | ON | 2009/07/11 19:32 |
| S23 | 4 | anionic hydrogel and (methacrylic or methacrylate) and (acrylic or acrylate) and (irradiat\$ or ultraviolet or uv or gamma) and carnitine and (drug or active agent or pharmaceutical) | US- PGPUB; USPAT | ADJ | ON | 2009/07/11 19:34 |
| S24 | 2 | ionic hydrogel and (methacrylic or methacrylate) and (acrylic or acrylate) and (irradiat\$ or ultraviolet or uv or gamma) and | US- PGPUB; USPAT | ADJ | ON | 2009/07/11 19:34 |

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| | | carnitine and (drug or active agent or pharmaceutical) | | | | |
| S25 | 19 | hydrogel and (methacrylic or methacrylate) and (acrylic or acrylate) and (irradiat\$ or ultraviolet or uv or gamma) and carnitine and (drug or active agent or pharmaceutical) and (ph-dependent or H-dependent or OH-dependent) | US- PG PUB; USPAT | ADJ | ON | 2009/07/11 19:36 |
| S26 | 19 | hydrogel and (methacrylic or methacrylate) and (acrylic or acrylate) and (irradiat\$ or ultraviolet or uv or gamma) and carnitine and (drug or active agent or pharmaceutical) and ph-dependent | US- PG PUB; USPAT | ADJ | ON | 2009/07/11 19:36 |
| S27 | 787 | hydrogel and carnitine | US- PG PUB; USPAT | ADJ | ON | 2009/07/11 19:37 |
| S28 | 39 | hydrogel and carnitine and smart | US- PG PUB; USPAT | ADJ | ON | 2009/07/11 19:37 |
| S29 | 545 | hydrogel and carnitine and (methacrylate or methacrylic) | US- PG PUB; USPAT | ADJ | ON | 2009/07/11 19:38 |
| S30 | 538 | hydrogel and carnitine and (methacrylate or methacrylic) and (irradiat\$ or gamma or beta or uv or ultraviolet or radiat\$) | US- PG PUB; USPAT | ADJ | ON | 2009/07/11 19:38 |
| S31 | 358 | hydrogel and carnitine and (methacrylate or methacrylic) and (irradiat\$ or gamma or beta or uv or ultraviolet or radiat\$) and (microparticles or microspheres) | US- PG PUB; USPAT | ADJ | ON | 2009/07/11 19:39 |
| S32 | 33792 | hydrogel and (microparticles or microspheres or nanoparticle or nano or film) | US- PG PUB; USPAT | ADJ | ON | 2009/07/11 19:40 |
| S33 | 0 | hydrogel and (microparticles or microspheres or nanoparticle or nano or film) and photoreducible | US- PG PUB; USPAT | ADJ | ON | 2009/07/11 19:41 |
| S34 | 666 | hydrogel and (microparticles or microspheres or nanoparticle or nano or film) and glycidyl methacrylate | US- PG PUB; USPAT | ADJ | ON | 2009/07/11 19:42 |
| S35 | 280 | hydrogel and (microparticles or microspheres or nanoparticle or nano or film) and glycidyl methacrylate and irradiat\$ | US- PG PUB; USPAT | ADJ | ON | 2009/07/11 19:42 |
| S36 | 141 | hydrogel and (microparticles or microspheres or nanoparticle or nano or film) and glycidyl methacrylate and irradiat\$ and (swell or swellable) | US- PG PUB; USPAT | ADJ | ON | 2009/07/11 19:47 |

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